APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	4	Preliminary Amendment	TBD

AMENDMENTS TO THE CLAIMS

In the claims, please cancel claims 1-14 without prejudice and add claims 15-68 as indicated below:

Claims 1-4 (Canceled)

15. (Add) A general purpose computer-based system for generating musical information having at least one computer memory, said system comprising:

a plurality of data item patterns stored in said at least one computer memory, each data item pattern including a plurality of data items representing at least one characteristic of said musical information;

a phase pattern stored in said at least one computer memory, said phase pattern including a plurality of phase pattern steps, each phase pattern step indicating at least one of said data item patterns;

a phase pattern index indicating a current phase pattern step; and

a processor for selecting said data item pattern indicated by said current phase pattern step and utilizing said selected data item pattern in generating said musical information, said processor moving said phase pattern index to a next phase pattern step.

16. (Add) The system of claim 15 wherein said characteristic is rhythm and said data items comprise rhythm values.

17. (Add) The system of claim 15 wherein said characteristic is duration and said data items comprise duration values.

18. (Add) The system of claim 15 wherein said characteristic is pitch and said data items comprise pitch values.

19. (Add) The system of claim 15 wherein said characteristic is percussive sounds and said data items comprise percussion instrument identifiers.

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	5	Preliminary Amendment	TBD

20. (Add) The system of claim 15 wherein said characteristic is amplitude and said data items comprise velocity values.

21. (Add) The system of claim 15 wherein said characteristic is spatial location and said data items comprise spatial location values.

22. (Add) The system of claim 15 wherein said characteristic is musical instrument sounds and said data items comprise voice change values.

23. (Add) The system of claim 15 wherein said characteristic is a MIDI controlled characteristic and said data items comprise MIDI control values.

24. (Add) The system of claim 15 wherein said characteristic is audio sound and said data items comprise digital audio samples.

25. (Add) The system of claim 15 wherein said characteristic is pitch transposition and said data items comprise pitch transposition values.

26. (Add) The system of claim 15 wherein said characteristic is a quantity of musical information to be generated and said data items comprise cluster values.

27. (Add) A general purpose computer-based system for generating musical information having at least one computer memory, said system comprising:

a plurality of first data item patterns stored in said at least one computer memory, each of said first data item patterns including a plurality of first data items representing a first characteristic of said musical information;

a plurality of second data item patterns stored in said at least one computer memory, each of said second data item patterns including a plurality of second data items representing a second characteristic of said musical information;

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	6	Preliminary Amendment	TBD

a plurality of phases stored in said at least one computer memory, each phase including at least one of said first data item patterns and at least one of said second data item patterns;

a phase pattern stored in said at least one computer memory, said phase pattern including a plurality of phase pattern steps, each phase pattern step indicating at least one of said phases;

a phase pattern index indicating a current phase pattern step; and

a processor for selecting said phase indicated by said current phase pattern step and utilizing said first and said second data item patterns included in said selected phase in generating said musical information, said processor moving said phase pattern index to a next phase pattern step.

28. (Add) A general purpose computer-based system for generating musical information having at least one computer memory, said system comprising:

a plurality of first data item patterns stored in said at least one computer memory, each of said first data item patterns including a plurality of first data items representing a first characteristic of said musical information;

a plurality of second data item patterns stored in said at least one computer memory, each of said second data item patterns including a plurality of second data items representing a second characteristic of said musical information;

a plurality of phases stored in said at least one computer memory, each phase including at least one of said first data item patterns and at least one of said second data item patterns;

a user-operated control for selecting one of said phases; and

a processor for generating said musical information utilizing said first and second data item patterns included in said selected phase.

29. (Add) The system of claim 27 or 28 wherein said first characteristic is rhythm and said first data items comprise rhythm values, and said second characteristic is pitch and said second data items comprise pitch values.

30. (Add) The system of claim 27 or 28 wherein said first characteristic is pitch and said first data items comprise pitch values, and said second characteristic is amplitude and said second data items comprise velocity values.

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	7	Preliminary Amendment	TBD

31. (Add) The system of claim 27 or 28 wherein said first characteristic is audio sound and said first data items comprise digital audio samples, and said second characteristic is pitch transposition and said second data items comprise pitch transposition values.

32. (Add) The system of claim 15 or 27 wherein said movement of said phase pattern index is performed at the completion of a specific period of time.

33. (Add) The system of claim 32 wherein said specific period of time is a number of clock events within said computer-based system.

34. (Add) The system of claim 32 wherein said specific period of time is in reference to a musical time signature.

35. (Add) The system of claim 15 or 27 wherein said movement of said phase pattern index is performed according to the generation of a specific quantity of said musical information.

36. (Add) The system of claim 35 wherein said specific quantity is a number of musical notes.

37. (Add) The system of claim 15 or 27 wherein said movement of said phase pattern index is performed in response to the generation of a specific value of said musical information.

38. (Add) The system of claim 37 wherein said musical information contains pitch information and said specific value is a pitch value.

39. (Add) The system of claim 15 or 27 wherein said movement of said phase pattern index is performed according to a user-operated control.

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	8	Preliminary Amendment	TBD

40. (Add) The system of claim 15, 27 or 28 wherein said generated musical information is represented as MIDI data.

41. (Add) A method for generating musical information using a general purpose computer-based system having at least one computer memory, said method comprising:

storing a plurality of data item patterns in said at least one computer memory, each data item pattern including a plurality of data items representing at least one characteristic of said musical information;

storing a phase pattern in said at least one computer memory, said phase pattern including a plurality of phase pattern steps, each phase pattern step indicating at least one of said data item patterns;

indicating a current phase pattern step within said phase pattern with a phase pattern index;

selecting said data item pattern indicated by said current phase pattern step;

generating said musical information utilizing said selected data item pattern; and

moving said phase pattern index to a next phase pattern step.

42. (Add) The method of claim 41 wherein said step of generating said musical information includes specifying a musical rhythm according to said selected data item pattern.

43. (Add) The method of claim 41 wherein said step of generating said musical information includes specifying a note pitch according to said selected data item pattern.

44. (Add) The method of claim 41 wherein said step of generating said musical information includes specifying a note duration according to said selected data item pattern.

45. (Add) The method of claim 41 wherein said step of generating said musical information includes specifying a percussive sound according to said selected data item pattern.

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	9	Preliminary Amendment	TBD

46. (Add) The method of claim 41 wherein said step of generating said musical information includes specifying a note velocity according to said selected data item pattern.

47. (Add) The method of claim 41 wherein said step of generating said musical information includes specifying a spatial location according to said selected data item pattern.

48. (Add) The method of claim 41 wherein said step of generating said musical information includes specifying an instrument voice according to said selected data item pattern.

49. (Add) The method of claim 41 wherein said step of generating said musical information includes varying a MIDI controllable characteristic according to said selected data item pattern.

50. (Add) The method of claim 41 wherein said data items comprise digital audio samples and said step of generating said musical information includes producing an audio sound according to said selected data item pattern.

51. (Add) The method of claim 41 wherein said step of generating said musical information includes transposing a pitch of a note according to said selected data item pattern.

52. (Add) The method of claim 41 wherein said step of generating said musical information includes outputting specific numbers of notes according to said selected data item pattern.

53. (Add) A method for generating musical information using a general purpose computer-based system having at least one computer memory, said method comprising:

storing a plurality of phases in said at least one computer memory, each phase including at least one data item pattern from a first plurality of data item patterns, said first data item pattern including a plurality of first data items representing a first characteristic of said musical information, said phase further including at least one data item pattern from a second plurality of data item patterns, said second data item pattern including a plurality of second data items representing a second characteristic of said musical information;

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	10	Preliminary Amendment	TBD

storing a phase pattern in said at least one computer memory, said phase pattern containing a plurality of phase pattern steps, each phase pattern step indicating at least one of said phases;

indicating a current phase pattern step within said phase pattern with a phase pattern index;

selecting said phase indicated by said current phase pattern step;

generating said musical information utilizing said first and said second data item patterns included in said selected phase; and

moving said phase pattern index to a next phase pattern step.

54. (Add) A method for generating musical information using a general purpose computer-based system having at least one computer memory, said method comprising:

storing a plurality of phases in said at least one computer memory, each phase including at least one data item pattern from a first plurality of data item patterns, said first data item pattern including a plurality of first data items representing a first characteristic of said musical information, said phase further including at least one data item pattern from a second plurality of data item patterns, said second data item pattern including a plurality of second data items representing a second characteristic of said musical information;

storing a phase pattern in said at least one computer memory, said phase pattern containing a plurality of phase pattern steps, each phase pattern step indicating at least one of said phases;

selecting a phase with a user—operated control; and

generating said musical information utilizing said first and said second data item patterns included in said selected phase.

55. (Add) The method of claim 53 or 54 wherein said step of generating said musical information includes specifying a musical rhythm according to said first data item pattern and specifying a note pitch according to said second data item pattern.

56. (Add) The method of claim 53 or 54 wherein said step of generating said musical information includes specifying a note pitch according to said first data item pattern and specifying a note velocity according to said second data item pattern.

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	11	Preliminary Amendment	TBD

57. (Add) The method of claim 53 or 54 wherein said first data items comprise digital audio samples and said step of generating said musical information includes producing an audio sound according to said first data item pattern and transposing said audio sound according to said second data item pattern.

58. (Add) The method of claim 41 or 53 wherein said step of generating said musical information includes waiting for a specific period of time before moving said phase pattern index to said next phase pattern item.

59. (Add) The method of claim 41 or 53 wherein said step of generating said musical information includes waiting for a number of clock events within said computer-based system before moving

60. (Add) The method of claim 41 or 53 wherein said step of moving said phase pattern index is performed according to the generation of a specific quantity of said musical information.

61. (Add) The method of claim 41 or 53 wherein said step of moving said phase pattern index is performed according to the generation of a specific number of musical notes within said musical information.

62. (Add) The method of claim 41 or 53 wherein said step of moving said phase pattern index is performed in response to the generation of a specific value of said musical information.

63. (Add) The method of claim 62 wherein said musical information contains pitch information and said specific value is a pitch value.

64. (Add) The method of claim 41 or 53 wherein said step of moving said phase pattern index is performed according to a user-operated control.

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	12	Preliminary Amendment	TBD

65. (Add) The method of claim 41, 53 or 54 wherein said generated musical information is represented as MIDI data.

66. (Add) A computer-readable media for storing instructions for generating musical information comprising instructions for:

storing a plurality of data item patterns in said at least one computer memory, each data item pattern including a plurality of data items representing at least one characteristic of said musical information;

storing a phase pattern in said at least one computer memory, said phase pattern including a plurality of phase pattern steps, each phase pattern step indicating at least one of said data item patterns;

indicating a current phase pattern step within said phase pattern with a phase pattern index;

selecting said data item pattern indicated by said current phase pattern step;

generating said musical information utilizing said selected data item pattern; and

moving said phase pattern index to a next phase pattern step.

67. (Add) A computer-readable media for storing instructions for generating musical information comprising instructions for:

storing a plurality of phases in said at least one computer memory, each phase including at least one data item pattern from a first plurality of data item patterns, said first data item pattern including a plurality of first data items representing a first characteristic of said musical information, said phase further including at least one data item pattern from a second plurality of data item patterns, said second data item pattern including a plurality of second data items representing a second characteristic of said musical information;

storing a phase pattern in said at least one computer memory, said phase pattern containing a plurality of phase pattern steps, each phase pattern step indicating at least one of said phases;

indicating a current phase pattern step within said phase pattern with a phase pattern index;

selecting said phase indicated by said current phase pattern step;

generating said musical information utilizing said first and said second data item patterns included in said selected phase; and

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
TBD	10-24-03	Stephen R. Kay	KARMA 3.1-003US

ART UNIT	PAGE NUMBER	SUBMISSION	EXAMINER
TBD	13	Preliminary Amendment	TBD

moving said phase pattern index to a next phase pattern step.

68. (Add) A computer-readable media for storing instructions for generating musical information comprising instructions for:

storing a plurality of phases in said at least one computer memory, each phase including at least one data item pattern from a first plurality of data item patterns, said first data item pattern including a plurality of first data items representing a first characteristic of said musical information, said phase further including at least one data item pattern from a second plurality of data item patterns, said second data item pattern including a plurality of second data items representing a second characteristic of said musical information;

storing a phase pattern in said at least one computer memory, said phase pattern containing a plurality of phase pattern steps, each phase pattern step indicating at least one of said phases;

selecting a phase with a user–operated control; and

generating said musical information utilizing said first and said second data item patterns included in said selected phase.